

Charts

The timeseries Chart window offers a dynamic environment for customized visualization of data. Every Chart window has a main panel plot area where the primary sensor data is plotted, a time window series selector at the bottom, and a toolbar at the top with controls for visualization and customization.

Access

Charts can be accessed and created by either selecting a sensor on the Map, or by going to the Chart tab of the [Command Center](#).

Unlike other features in Info360, Charts are not saved and stored within the Command Center.

Chart Options

Click the links below for further information about the various chart types, chart examples, and other chart options.

- [Historical Chart Configuration](#)
- [Gauge Chart Configuration](#)
- [Status Charts](#)
- [Sensor Group Watcher](#)
- [Pump Efficiency Curve](#)
- [Reference Chart Style](#)
- [Data Authoring](#)

Chart Features

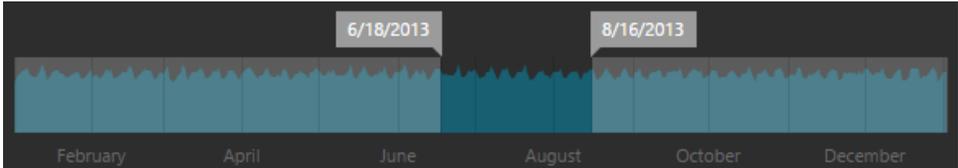
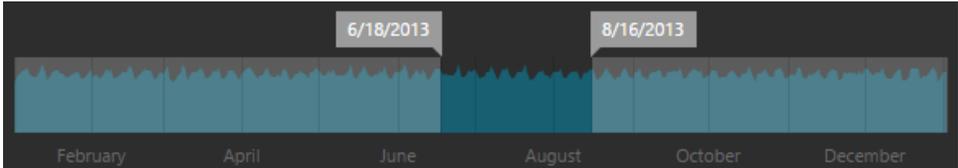
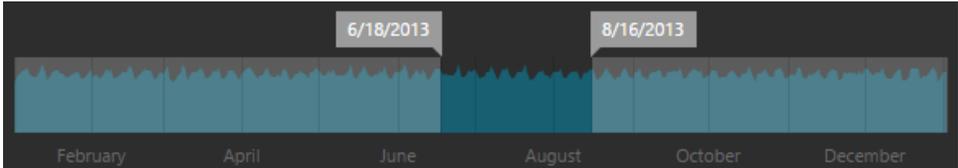
Feature	Description						
Time Window Control	<p>The time window for data display can be modified in two ways:</p> <table border="1" data-bbox="251 928 1482 1507"> <thead> <tr> <th data-bbox="251 928 376 978">Method</th> <th data-bbox="376 928 1482 978">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="251 978 376 1178">Date Range Control</td> <td data-bbox="376 978 1482 1178"> At the upper left corner, the min and max time boundaries are posted in editable boxes. The time window can be adjusted by editing a date, using the arrows to shift the window to the right (▶) or left (◀), or zooming in/out by clicking the magnifying glasses (🔍).  </td> </tr> <tr> <td data-bbox="251 1178 376 1507">Graphic Time Series Control</td> <td data-bbox="376 1178 1482 1507"> At the bottom of the chart, a zoomed-out view of the data is plotted with shaded bounds that show the timeseries window. <ul style="list-style-type: none"> • To change a start or end time - click and drag the date box to the right or left • To slide the whole time window - click and drag within the highlighted window • To select a month - click on the name of the month  </td> </tr> </tbody> </table> <div data-bbox="251 1528 1482 1640" style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> <p>⚠ Notice:</p> <p>The maximum number of data points in a time-window is set in the Settings to maintain plotting efficiency.</p> </div>	Method	Description	Date Range Control	At the upper left corner, the min and max time boundaries are posted in editable boxes. The time window can be adjusted by editing a date, using the arrows to shift the window to the right (▶) or left (◀), or zooming in/out by clicking the magnifying glasses (🔍). 	Graphic Time Series Control	At the bottom of the chart, a zoomed-out view of the data is plotted with shaded bounds that show the timeseries window. <ul style="list-style-type: none"> • To change a start or end time - click and drag the date box to the right or left • To slide the whole time window - click and drag within the highlighted window • To select a month - click on the name of the month 
Method	Description						
Date Range Control	At the upper left corner, the min and max time boundaries are posted in editable boxes. The time window can be adjusted by editing a date, using the arrows to shift the window to the right (▶) or left (◀), or zooming in/out by clicking the magnifying glasses (🔍). 						
Graphic Time Series Control	At the bottom of the chart, a zoomed-out view of the data is plotted with shaded bounds that show the timeseries window. <ul style="list-style-type: none"> • To change a start or end time - click and drag the date box to the right or left • To slide the whole time window - click and drag within the highlighted window • To select a month - click on the name of the month 						



Chart Options

The Chart Options panel is a collapsible quick-access panel to common [Analytical Functions](#).

The panel consists of three tabs:

Tab	Description
Favorite Functions	Provides a list of common functions that can be toggled on/off as reference charts for the current sensor data.
Comparison	Uses the Compare function to add a new panel to the Chart. Select the sensor and period (number of timesteps back in time), and click Add to add chart. Click Remove to remove from chart.
Forecast	Uses the Forecast function to append to the main chart panel. Toggle forecast on/off using check box and specify the desired number of periods into the future.

Data Label Popup

The specific data value will pop up in text form when the cursor is held over any data point.



Data Legend

Each of the line types plotted will be labeled in the data legend. A data series will be highlighted by white points if the cursor is held over the data legend symbol.

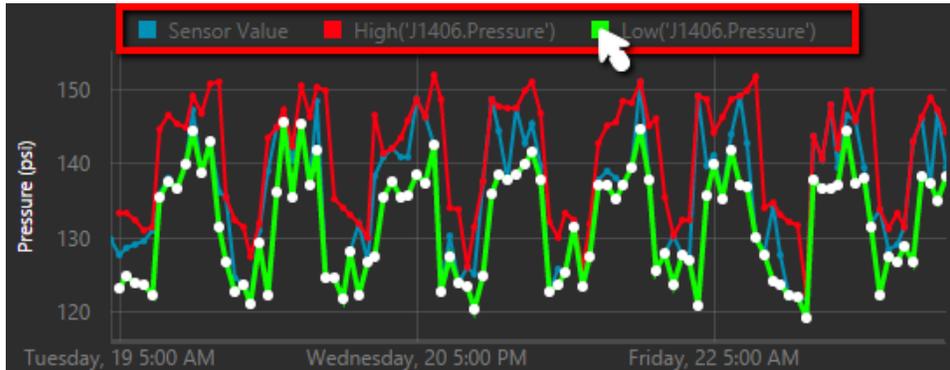


Chart Toolbar

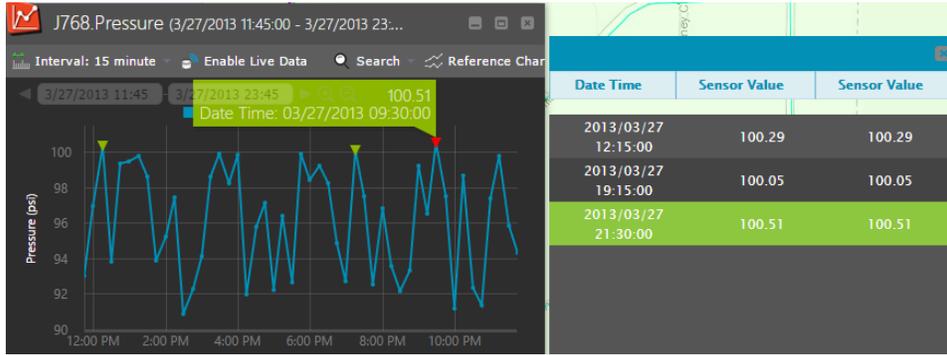
Icon	Description
 Interval	Dropdown menu to select the time interval at which data points are plotted.
 Enable Live Data	Toggle button to enable the chart update bringing in the latest (live) data from the sensor. The time window will automatically shift to include the most recent data.



Search

Opens the [Search](#) window to run a pre-defined search on the active data. Any data points that fit the search criteria will be marked with a green arrow and a [Search Result](#) window will pop up to the side.

Clicking any data match will scroll to and highlight the corresponding row in the search results table as shown in the example below. Clicking the Search menu again will offer options to reopen the [Search Result](#) window, run a new search, refresh the search, or remove the search.



Reference Chart

Dropdown menu to add a **Reference Chart**, a **Comparison**, or remove reference charts. The style of any reference chart is controlled by the [Reference Chart Style](#) window before being plotted.

Adding a **Reference Chart** will open the [Analytical Functions](#) window from where any function or sensor data can be added to the plot.

For step-by-step instructions, refer to [How To - Add a Reference Layer in a Chart](#)



Layout

Allows you to save the layout of the chart, including all reference charts and color schemes. The saved Layout can be applied to other charts from the [Chart Configuration](#) window.



Export

Dropdown menu to print the chart, save to a CSV, or save to an Innovyze Graph data file.



Setting

Opens the [Chart Configuration](#) window to control the chart layout.



View

Dropdown menu to view data as a chart () or table ()